

NWS CHANGE FORM PART A			1. DATE SUBMITTED 11/30/99	
This form is in three parts. Submitters must complete unshaded blocks in Part A and as much of Part B as possible. WSH will complete Part C (implementation details). If there is no specific required change date, enter 60 days from date submitted. Address questions to NWS Change Management at (301) 713-1373. Submit change requests to the NWSRC mailbox (External: NWSRC@noaa.gov).				
2. ORIGINATOR OFFICE TDL		3. SUBMITTING AUTHORITY Name: Ward Seguin Routing Code: W/APO1		4. COGNIZANT TECHNICAL INDIVIDUAL Name: Bob Morris Routing Code: W/OSD24 Phone: 713-0056 x110
5. ORIGINATOR TRACKING NUMBER RC_APO12				7. WSH TRACKING NUMBER NWS 525
6. SYSTEMS AFFECTED BY CHANGE <input type="checkbox"/> DATA PRODUCTS (Complete Data Products Supplement) <input type="checkbox"/> ASOS <input checked="" type="checkbox"/> AWIPS <input type="checkbox"/> CRS <input type="checkbox"/> NEXRAD <input checked="" type="checkbox"/> OTHER (specify) _____				
8. TITLE OF CHANGE Verification modifications to handle ambiguous TAF PILs				
9. TYPE OF CHANGE <input type="checkbox"/> HARDWARE <input checked="" type="checkbox"/> SOFTWARE <input type="checkbox"/> DOCUMENTATION ONLY			10. SITES AFFECTED (Attach Part B, Page 2, if needed) See attachment A1A for site list	
11. STATEMENT OF REQUIREMENT, PROBLEM, OR DEFICIENCY OF EXISTING SYSTEM (Include problem report reference numbers.) Verification retrieve_tafs program encounters fatal errors where the last 3 letters of the AFOS PIL is not unique for a TAF product, e.g., MIATAFMIA and IMXTAFMIA are ambiguous in the last 6 characters of the PIL. Aviation verification forecast data for such a station (e.g. KMIA) will be missing as a result of this error. The modifications to be installed overcome this ambiguity and error. See attachment A1B for DR list.				
12. KNOWN OR PROPOSED SOLUTION (Include source and description of new features or data products.) See Attachment A1C				
13. ALTERNATE SOLUTIONS Alternate solution requires site-specific changes to the text product ingest and to existing table entries in the fxatext database. Not a reasonable workaround.				
14. REQUIRED CHANGE DATE 31 December 99		15. RATIONALE FOR REQUIRED CHANGE DATE (Include proposed priority, if known.) Major. AFOS verification program is likely to fail after Y2K. AWIPS verification must be fully functional by that time. Certain offices will have problems with verifying TAFs at certain stations.		
CCB/PMC/CMB DECISION				
16. DECISION AUTHORITY LEVEL		<input type="checkbox"/> CCB LEVEL ONLY		<input type="checkbox"/> PMC or NWS CMB DECISION REQUIRED
17. CCB LEVEL DECISION		<input type="checkbox"/> APPROVED		SIGNATURE
		<input type="checkbox"/> RECOMMEND APPROVAL		DATE SIGNED
		<input type="checkbox"/> DISAPPROVED		
FOR USE ONLY WHEN PMC or NWS CMB DECISION REQUIRED				
18. PMC OR NWS CMB DECISION		<input type="checkbox"/> APPROVED		SIGNATURE
		<input type="checkbox"/> DISAPPROVED		DATE SIGNED

NWS CHANGE FORM PART B		1. ORIGINATOR TRACKING NUMBER RC_APO12	
All RC/ECP submissions must also address the following information. Indicate if any areas are unknown or do not apply. State why information is unknown and when it will be available. Attach extra pages if necessary, referencing each applicable subject.		2. WSH TRACKING NUMBER	
FUNDING INFORMATION			
Estimate costs and indicate known sources of funding. (Include travel time, installation time, administrative time, and software development time when applicable.)		3. SOURCE OF FUNDING	4. TOTAL COST \$
5. DEVELOPMENT COSTS (Estimate development costs) The cost is associated with Build 4 maintenance			AMOUNT
6. OPERATIONAL TEST AND EVALUATION COSTS (Estimate test and evaluation costs) N/A			AMOUNT
7. PRODUCTION COSTS (Include acquisition, kit proofing, spares, delivery, and documentation costs) N/A			AMOUNT
8. COMMUNICATIONS SERVICE/CIRCUITS COSTS (Include installation and recurring costs) N/A			AMOUNT
9. IMPLEMENTATION SUPPORT COSTS (Include travel, installation, and administrative costs) This change will be pushed to the sites by the NCF as directed by the SST			AMOUNT
9A. LIFE CYCLE SUPPORT COSTS (Less communications service/circuits) Contractor (PRC) - NCF Operations			AMOUNT Unknown
SUPPORTING INFORMATION AND SCHEDULES Provide detailed information needed to implement the requested change.			
10. DEVELOPMENT STATUS/SCHEDULE (Major milestones such as Start, Beta Test, and OT&E) Change needs to be implemented before Jan 1, 2000		11. PRODUCTION STATUS/SCHEDULE (Major milestones such as Solicitation, Contract Start Date, Delivery Date, Kit Proofing, etc.) N/A	
12. IMPLEMENTATION/RETROFIT SCHEDULE Change needs to be implemented before Jan 1, 2000		13. FACILITY INFORMATION (Attach facility drawings/plans.) N/A	
14. COMMUNICATIONS INSTALLED (Type required, who will order, and associated hardware required; attach Part B, Page 2, if needed.) N/A		15. COMMUNICATIONS SERVICE/CIRCUITS TO BE REMOVED N/A	
16. REQUIRED CLEARANCES, WAIVERS, AND LICENSES (Include person or organization responsible for obtaining each)		17. COORDINATION OF CHANGE WITH OTHER CHANGES If changes are made before Release 4.3, then these changes should be removed from the 4.3 installation scripts	
18. PHYSICAL ITEMS AND DOCUMENTS AFFECTED (Include part, serial, and document numbers. Attach Part B, Page 2, if needed.) Sae Attachment B		19. STAFF RESOURCE IMPACTS (Skills and workload impact on maintainers, operators, and managers.) No recurring workload impacts	
20. LOGISTICS IMPACTS (Include facilities, maintenance, training, and support equipment impacts.) N/A		21. OPERATIONAL IMPACTS (Include continuity and back up needs and plans.) N/A	
22. ADDITIONAL MAJOR CHANGE ACTIVITIES (Include who will accomplish each of them and staff hours required.) This change will be pushed to the sites by the NCF as directed by the SST.			

NWS CHANGE FORM

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RC_APO12

This information is required prior to publication of Engineering Modification Notes and Software Release Notes. List physical items to be replaced and specify any changes in related documentation. (Submitters should complete this information, if known. WSH will assist.)

2. WSH TRACKING NUMBER

[illegible]

NWS Change Form (Attachment A1C)

Item 12. Known or Proposed Solution

Changed Files:

Install new executable /awips/adapt/adapt_apps/retrieve_TAFs, using version from 4.3 fix to DR4673.

Run the script "updatefxatext99a.sh", which will create and populate a new data table in the Informix fxatext database. Requires two additional files: the SQL command file "updatefxatext99a.sql", and the data file "updatefxatext99a.data".

If these changes are made before the scheduled Build 4.3 release, then these changes should be removed from the 4.3 installation scripts.

COTS/Freeware:

None

Rebuilding Instructions:

Rebuild the \$STAGING/D-2D/src/textProduct library in the 4.3 baseline on the D2D side. Associated with DR_4673.

Rebuild the retrieve_TAFs executable from the 4.3 baseline \$BASE_DIRECTORY/awips/adapt/adapt_apps/src/verify/src/get_tafs directory. No DR-associated changes, but uses textProduct library, above, so must rebuild with this library.

Documentation changes:

None